

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs                    | Default Operator | Plurals | Time Stamp       |
|-------|------|--|------------------------|------------------|---------|------------------|
| S88   | 15   | ("6098515"   "6776077"   "6460443"   "5243890"   "5322001"   "6438850"   "20050223863"   "5069097"   "5322001"   "5996459"   "7040208"   "6931974"   "20040098867"   "4798112"   "6782785"   "5237900").PN.  | US-PGPUB; USPAT        | OR               | OFF     | 2012/04/01 13:20 |
| S89   | 1005 | 30/162.ccls.   | US-PGPUB; USPAT        | OR               | OFF     | 2012/04/01 13:26 |
| S90   | 0    | "83478".ccls.  | US-PGPUB; USPAT        | OR               | OFF     | 2012/04/01 13:27 |
| S91   | 625  | 83/478.ccls.   | US-PGPUB; USPAT        | OR               | OFF     | 2012/04/01 13:28 |
| S92   | 355  | 83/485.ccls.   | US-PGPUB; USPAT        | OR               | OFF     | 2012/04/01 13:44 |
| S93   | 1151 | 83/613-614.ccls.   | US-PGPUB; USPAT        | OR               | OFF     | 2012/04/01 14:03 |
| S94   | 56   | ("0026052"   "0342127"   "0745517"   "0821757"   "0821866"   "0909227"   "0992755"   "2219485"   "2252888"   "2624408"   "3071034"   "3137192"   "3561312"   "3688625"   "3766816"   "3791246"   "3981215"   "4020550"   "4046044"   "4062116"   "4086835"   "4210043"   "4245536"   "4691605"   "4754674"   "4787284"   "4960022"   "5036740"   "5044241"   "5322001").PN. OR ("5440961").URFN.                             | US-PGPUB; USPAT; USOCR | OR               | OFF     | 2012/04/01 14:27 |
| S95   | 35   | ("1147458"   "1645924"   "2846005"   "4340441"   "4843497"   "4864906").PN. OR ("5001955").URFN.   | US-PGPUB; USPAT; USOCR | OR               | OFF     | 2012/04/01 14:35 |
| S96   | 13   | "83"/\$.ccls. and (blade or cutter) near50 hub near50 (opening or aperture or hole) near50 (guard or cover or sheath)  | US-PGPUB; USPAT        | OR               | OFF     | 2012/04/01 15:01 |
| S97   | 13   | "83"/\$.ccls. and (blade or cutter) near50 hub near50 (opening or aperture or hole) near50 (guard or cover or sheath or protect\$4)  | US-PGPUB; USPAT        | OR               | OFF     | 2012/04/01 15:02 |
| S98   | 40   | ("0173126"   "0566883"   "0927145"   "1110736"   "1947662"   "1958694"   "20030075162"   "2748820"   "3036412"   "3556074"   "3762008"   "3900071"   "4083279"   "4102230"   "4249441"   "4343214"   "4407178"   "4461195"   "4549372"   "4584920"   "4657428"   "4706386"   "4729193"   "4732337"   "4850109"   "5027684"   "5146832"   "5366312"   "5953807"   "6030326"   "6325127"   "6609426").PN. OR ("7866242").URFN. | US-PGPUB; USPAT; USOCR | OR               | OFF     | 2012/04/01 15:03 |

|      |     |   |                              |    |     |                     |
|------|-----|---|------------------------------|----|-----|---------------------|
| S99  | 4   | ("1958694").URFN.   | USPAT                        | OR | OFF | 2012/04/01<br>15:07 |
| S100 | 1   | ("1110736").URFN.   | USPAT                        | OR | OFF | 2012/04/01<br>15:08 |
| S101 | 4   | ("173126").URFN.  | USPAT                        | OR | OFF | 2012/04/01<br>15:10 |
| S102 | 16  | "30"/\$.ccls. and (blade or cutter) near50<br>hub near50 (opening or aperture or hole)<br>near50 (guard or cover or sheath or<br>protect\$4)  | US-PGPUB;<br>USPAT           | OR | OFF | 2012/04/01<br>15:12 |
| S103 | 3   | "144"/\$.ccls. and (blade or cutter) near50<br>hub near50 (opening or aperture or hole)<br>near50 (guard or cover or sheath or<br>protect\$4)   | US-PGPUB;<br>USPAT           | OR | OFF | 2012/04/01<br>15:12 |
| S104 | 93  | (blade or cutter) near50 hub near50<br>(opening or aperture or hole) near50<br>(guard or cover or sheath or protect\$4)   | US-PGPUB;<br>USPAT           | OR | OFF | 2012/04/01<br>15:13 |
| S105 | 130 | (blade or cutter) near50 hub near50<br>(opening or aperture or hole) near50<br>(guard or cover or sheath or protect\$4)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2012/04/01<br>15:13 |
| S106 | 17  | ("20020092396"   "20030154835"  <br>"20040149108"   "20040221703"  <br>"2265498"   "3532018"   "3779119"  <br>"3973459"   "5322001"   "5802942"  <br>"5996459"   "6098515"   "6776077"  <br>"6786123").PN. OR ("7032489").URFN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2012/04/01<br>15:25 |
| S107 | 13  | ("20040187318"   "4432137"   "5493781"<br>"6094824"   "6282794"   "6327783"  <br>"6460254"   "7073263"   "7204023"  <br>"RE32501").PN. OR ("7290340").URFN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2012/04/01<br>15:29 |
| S108 | 28  | ("1358973"   "2695447"   "3802080"  <br>"4020550"   "4301594"   "4601103"  <br>"5101564"   "5144749"   "5299355"  <br>"5355588"   "5711077"   "5765289"  <br>"6044565"   "6094824"   "Re32501").PN.<br>OR ("6327783").URFN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2012/04/01<br>15:30 |
| S109 | 23  | ("1814547"   "20040231475"  <br>"20050028388"   "20050188545"  <br>"20060037176"   "2109016"   "3286349"<br>"3995902"   "4794692"   "4893408"  <br>"5101564"   "5711077"   "5765289"  <br>"6327783"   "6584694"   "6675689"  <br>"7188424"   "D393987"   "D474081").PN.<br>OR ("7363710").URFN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2012/04/01<br>15:32 |
| S110 | 127 | ("0044823"   "0436804"   "1048085"  <br>"1064493"   "1125234"   "1413101"  <br>"1448305"   "1495675"   "1808239"  <br>"1940855"   "2427580"   "2557364"  <br>"2582511"   "2604130"   "2649838"  <br>"2854981"   "3103069"   "3542097"  <br>"3554197"   "3656393"   "3678934"  <br>"3703036"   "3750283"   "3823473"  <br>"3852881"   "3863339"   "3901117"  <br>"3905105"   "3905374"   "3927893"  <br>"3943934"   "3952412"   "3964163"  <br>"3974868"   "3977289"   "3978862"  <br>"4008720"   "4020555"   "4032747"  <br>"4036236"   "4064871"   "4106181"  <br>"4229963"   "4233737"   "4252121"  <br>"4386609"   "4470196"   "4528753" | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2012/04/01<br>15:46 |

|      |     |   |   |    |     |                     |
|------|-----|---|---|----|-----|---------------------|
|      |     | "4543718"   "4584999"   "4617930"  <br>"4637391"   "4646440"   "4648182"  <br>"4676001"   "4694542"   "4711030"  <br>"4728876"   "4730952"   "4736742"  <br>"4739557"   "4768504"   "4783886"  <br>"4819334"   "4873461"   "4891884"  <br>"4899443"   "4920646"   "4922612"  <br>"5122142"   "5133728"   "5263972"  <br>"5439472"   "D198423"   "D239331"  <br>"D245918"   "D282142"   "D294734"  <br>"D316220"   "D317821"   "D337160"  <br>"D343247"   "D351907").PN. OR<br>("5702415").URPN. |   |    |     |                     |
| S111 | 62  | ("1792363"   "1818261"   "4205572"  <br>"4657428").PN. OR ("4730952").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR            | OR | OFF | 2012/04/01<br>15:54 |
| S112 | 922 | (blade or cutter) near50 (shaft or spindle)<br>near50 (opening or aperture or hole)<br>near50 (guard or cover or sheath or<br>protect\$4)   | US-PGPUB;<br>USPAT;<br>USOCR            | OR | OFF | 2012/04/01<br>16:00 |
| S113 | 590 | (blade or cutter) near50 (shaft or spindle)<br>near50 (opening or aperture or hole)<br>near50 (guard or cover or sheath or<br>protect\$4)   | US-PGPUB;<br>USPAT                      | OR | OFF | 2012/04/01<br>16:00 |
| S114 | 99  | (blade or cutter) near50 (shaft or spindle)<br>near50 (opening or aperture or hole)<br>near50 (guard or cover or sheath or<br>protect\$4) near50 (projection or<br>protrusion or pin)   | US-PGPUB;<br>USPAT;<br>USOCR            | OR | OFF | 2012/04/01<br>16:03 |
| S115 | 108 | "83"/\$.ccls. and (blade or cutter) near50<br>(shaft or spindle) near50 (opening or<br>aperture or hole) near50 (guard or cover<br>or sheath or protect\$4)   | US-PGPUB;<br>USPAT;<br>USOCR            | OR | OFF | 2012/04/01<br>16:09 |
| S116 | 204 | "30"/\$.ccls. and (blade or cutter) near50<br>(shaft or spindle) near50 (opening or<br>aperture or hole) near50 (guard or cover<br>or sheath or protect\$4)   | US-PGPUB;<br>USPAT;<br>USOCR            | OR | OFF | 2012/04/01<br>16:11 |
| S117 | 6   | ("20030196649"   "4685214"   "5724875"<br>"5862594"   "5873282"  <br>"6561063").PN. OR ("6739060").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR            | OR | OFF | 2012/04/01<br>16:13 |
| S118 | 34  | "144"/\$.ccls. and (blade or cutter) near50<br>(shaft or spindle) near50 (opening or<br>aperture or hole) near50 (guard or cover<br>or sheath or protect\$4)  | US-PGPUB;<br>USPAT;<br>USOCR            | OR | OFF | 2012/04/01<br>16:23 |
| S119 | 82  | 606/178.ccls.   | US-PGPUB;<br>USPAT                      | OR | OFF | 2012/04/02<br>10:04 |
| S120 | 13  | ("436804").URPN.  | USPAT                                   | OR | OFF | 2012/04/02<br>10:07 |
| S121 | 54  | ("0436804"   "0440902"   "0494070"  <br>"3554197"   "4106181"   "5028151").PN.<br>OR ("5237884").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR            | OR | OFF | 2012/04/02<br>10:08 |
| S122 | 231 | 606/82.ccls.  | US-PGPUB;<br>USPAT                      | OR | OFF | 2012/04/02<br>10:10 |
| S123 | 8   | 606/178.ccls.   | USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2012/04/02<br>10:36 |
| S124 | 78  | "4386609"   | US-PGPUB;<br>USPAT;                     | OR | OFF | 2012/04/02<br>10:37 |

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